The Science Behind the Experiment
A Guide for Adults

Squeezing the bottle causes the diver to sink. By squeezing the bottle, you have increased the pressure on the air inside the pipette. Water is forced up into the pipette, compressing the air at the top of it. This increases the mass and density of the pipette, causing it to sink. Releasing the squeeze allows the water back out of the pipette. This decreases the pressure on the air at the top of the pipette, so the pipette floats back up.

Science Experiment

Diving Rainbow Fish

Can you squeeze the bottle? What happens?

Can you let go of the bottle? What happens?

Can you make the Rainbow Fish float in the middle of the bottle?

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